

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,125,975 B2
APPLICATION NO. : 10/755166
DATED : October 24, 2006
INVENTOR(S) : Muthiah Manoharan et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

1) Title Page:

Item [60], Related U.S. Application Data, please delete

“Continuation of application No. 10/073,718, filed on Feb. 11, 2002, now Pat. No. 6,831,166, which is a division of application No. 09/633,659, filed on Aug. 7, 2000, now Pat. No. 6,395,492, which is a division of application No. 08/211,882, filed on Apr. 22, 1994, now Pat. No. 6,153,737, which is a continuation-in-part of application No. PCT/US92/09196, filed on Oct. 23, 1992.”

and insert therefore

--Continuation of application No. 10/073,718, filed on Feb. 11, 2002, now Pat. No. 6,831,166, which is a division of application No. 09/633,659, filed on Aug. 7, 2000, now Pat. No. 6,395,492, which is a division of application No. 08/211,882, filed as application No. PCT/US92/09196 on Oct. 23, 1992, now Pat. No. 6,153,737.--;

2) Column 6, line 21, please delete “B6” and insert therefore --B₆--;

3) Column 9, line 61, please delete “.”;

4) Column 10, line 12, please delete “-”;

5) Column 10, line 54, please delete “Bas” and insert therefore --Base--;

6) Column 11, line 58, please delete “.” after “treated”;

7) Column 12, line 13, please delete “C_sT_sG_sT_sC_sT_sC_sC_sA_sT_sC_sC_sT_sC_sT_sT_sC_sAC_sT” and insert therefore --C_sT_sG_sT_sC_sT_sC_sC_sA_sT_sC_sC_sT_sC_sA_sC_sT--;

8) Column 15, line 47, please delete “is” and insert therefore --“s”--;

9) Column 17, line 14, please delete “Na₂CO_{3/1}M” and insert therefore --Na₂CO₃/1M--;

10) Column 17, line 44, please delete “Na₂HCO_{3/1}M” and insert therefore --Na₂HCO₃/1M--;

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HPLC Retention Times Of Oligonucleotides Functionalized At 2' Position

Oligomer	Retention Time Minutes	
	Mono Substitution	Multiple Substitution
Oligomer 12 ¹	21.78	
Oligomer 13 ¹	22.50	
Oligomer 19 ²	23.58	
Oligomer 20 ²	24.16 ^a	25.19 ^b
Oligomer 21 ³	26.65	
Oligomer 22 ³	26.99 ^a	29.33 ^b
	27.55 ^a	
Oligomer 23 ⁴	30.10	
Oligomer 24 ⁴	30.38 ^a	37.00 ^b
	32.22 ^a	
Oligomer 25 ⁵	28.06	
Oligomer 26 ⁵	28.14 ^a	33.32 ^b
	29.24 ^a	

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and insert therefore

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TABLE 1

HPLC Retention Times Of Oligonucleotides Functionalized
 At 2' Position

Oligomer	Retention Time Minutes	
	Mono Substitution	Multiple Substitution
Oligomer 12 ¹	21.78	
Oligomer 13 ¹		22.50
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Oligomer 21 ³	26.65	
Oligomer 22 ³		26.99 ^a 29.33 ^b 27.55 ^a
Oligomer 23 ⁴	30.10	
Oligomer 24 ⁴		30.38 ^a 37.00 ^b 32.22 ^a
Oligomer 25 ⁵	28.06	
Oligomer 26 ⁵		28.14 ^a 33.32 ^b 29.24 ^a

--;

12) Column 21, line 14, please delete "Prot in-Conjugated" and insert therefore --Protein-Conjugated--;

13) Column 21, line 27, please delete ""is"" and insert therefore --"s"--;

14) Column 22, please delete

--

TABLE 2

OLIGONUCLEOTIDE ANALYSIS VIA ENZYMATIC DIGESTION

Oligomer	Abs. max.	Observed Ratios**			
		267	252	267	260
	C	G	T	A*	A
Oligomer 10	2	1		1	
Oligomer 11	3	5	2	1	
Oligomer 12	9	1	8	1	1
Oligomer 13	9	1	8	2	"

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TABLE 2
OLIGONUCLEOTIDE ANALYSIS VIA ENZYMATIC DIGESTION

Oligomer	Abs. max.	<u>Observed Ratios **</u>				A
		267 C	252 G	267 T	260 A*	
Oligomer 10		2	1		1	
Oligomer 11		3	5	2	1	
Oligomer 12		9	1	8	1	1
Oligomer 13		9	1	8	2	--;

15) Column 24, line 46, please delete "phase-HPLC" and insert therefore --phase HPLC--;

16) Column 29, line 7, please delete "solution-of" and insert therefore --solution of--;

17) Column 39, line 19, please delete "3" and insert therefore --30--;

18) Column 46, Claim 5, lines 32-33, please delete "5'-position" and insert therefore --5'-O-position--.

Signed and Sealed this

Sixteenth Day of January, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office